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Karthikeyan Bhargavan, Carl A. Gunter, Moonjoo Kim, Insup Lee, Davor Obradovic, Oleg Sokolsky, Mahesh Viswanathan

 August 2000 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2000 ACM SIGSOFT international symposium on Software testing and analysis**, Volume 25 Issue 5

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Why are there so few successful "real-world" programming and testing tools based on academic research? This talk focuses on program analysis tools, and proposes a surprisingly simple explanation with interesting ramifications. For a tool aimed at developers or testers to be successful, people must use it - and must use it to help accomplish their existing tasks, rather than as an end in itself. If the tool does not help them get their job done, or the effort to learn and/or use th ...







### 3 [File organizations and access methods for CLV disks](#)

S. Christodoulakis, D. A. Ford

 May 1989 **ACM SIGIR Forum , Proceedings of the 12th annual international ACM SIGIR conference on Research and development in information retrieval**, Volume 23 Issue 1-2

 Full text available: [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A large and important class of optical disc technology are CLV format discs such as CD ROM and WORM. In this paper, we examine the issues related to the implementation and performance of several different file organizations on CLV format optical discs such as CD ROM and WORM. The organizations examined are based on hashing and trees. The CLV recording scheme is shown to be a good environment for efficiently implementing hashing. Single seek access and storage utilization levels a ...

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N. Lynch  
June 1989 **Proceedings of the eighth annual ACM Symposium on Principles of distributed computing**  
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- 5 Reflections of high speed signals analyzed as a delay in timing for clocked logic  
R. E. Canright, A. R. Helland  
October 1987 **Proceedings of the 24th ACM/IEEE conference on Design automation**  
Full text available:  pdf(573.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)  
  
This paper develops equations that can extend the performance of high speed digital systems. The equations allow the application of timing analysis to the selection of the minimum series terminating resistor. Use of the minimum terminating resistor minimizes power dissipation and maximizes the drive capability of the terminated device. Detailed examples simplify the adaptation of these new design procedures to computer-aided design (CAD).
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R. C. H. Cheng, G. M. Feast  
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Full text available:  pdf(1.40 MB) Additional Information: [full citation](#), [references](#), [citations](#)
- Keywords:** gamma variates, random numbers, simulation
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R. Sekar, Y. Guang, S. Verma, T. Shanbhag  
November 1999 **Proceedings of the 6th ACM conference on Computer and communications security**  
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In this paper we present a new approach for network intrusion detection based on concise specifications that characterize normal and abnormal network packet sequences. Our specification language is geared for a robust network intrusion detection by enforcing a strict type discipline via a combination of static and dynamic type checking. Unlike most previous approaches in network intrusion detection, our approach can easily support new network protocols as information relating to the protocol ...
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Peter G. Neumann

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Ed Lantz

May 1997 **ACM SIGGRAPH Computer Graphics**, Volume 31 Issue 2Full text available:  pdf(1.06 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Visual displays have evolved in several parallel application areas including television, computer monitors, graphics monitors, portable displays, projection displays and most recently, immersive displays. Film, too, has matured as the highest resolution display medium available. One might mistakenly proclaim that today's visual displays produce an image quality which nearly matches that of our perception. The truth is that primitive cave petroglyphs viewed in fire-light far exceed the visual cap ...

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